



All-Metal
SLIDE
RULES

Distributed by

CHARLES BRUNING COMPANY, Inc.

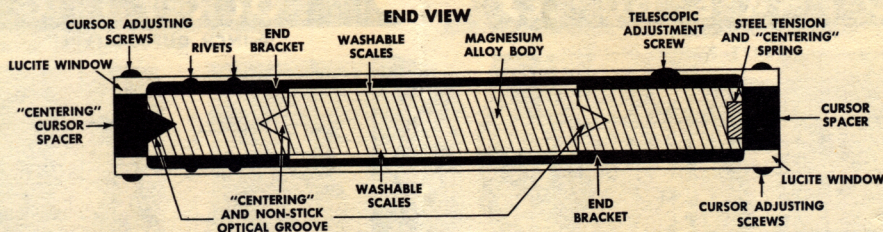
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HOW



ALL-METAL SLIDE RULES ARE BUILT

The drawing below illustrates WHY Pickett ALL-METAL Slide Rules offer new values in accuracy and easy operation. Optical Tongue and Groove, Telescopic Adjustment Screws, Simplified Design, and New Materials are a few of the improvements shown here.

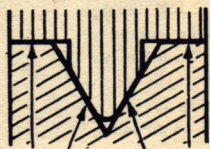


PERMANENT ACCURACY

All-Metal construction permits precision manufacturing, close tolerances, and maximum freedom from inaccuracies. Dimensional stability, freedom of movement, and easy, accurate operation are normal characteristics of All-Metal Rules.

EASY SLIDER ACTION

The Optical Tongue and Groove keep the slider "centered" and prevent wobble. The small bearing surfaces tend to eliminate binding and assure



**Small Bearing
Surfaces Eliminate
Binding**

free operation. The optical groove and tension spring channel also keep the cursor "centered" and prevent scratching of hairline windows on surface of rule.

MODERN CONSTRUCTION

Modernized manufacturing technique has resulted in the use of light-weight metal to achieve a simpler design, fewer parts, and more accurate scales on a rule of increased dimensional stability. All of these features, together, give you more slide rule value than was possible before.

SPECIFICATIONS

MATERIALS: Magnesium Core; Plastic Surface; Aluminum Brackets; Lucite Cursor Windows; Aluminum Telescopic Screws.

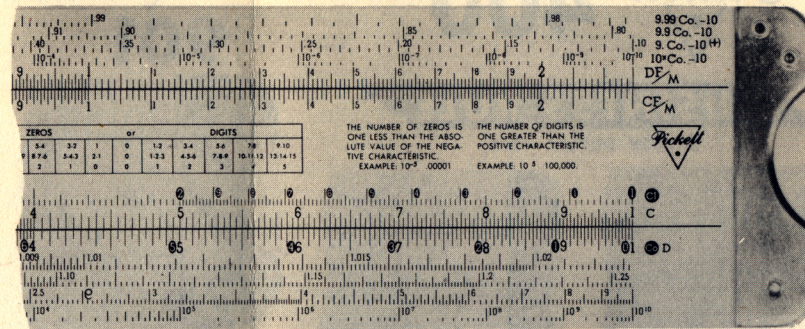
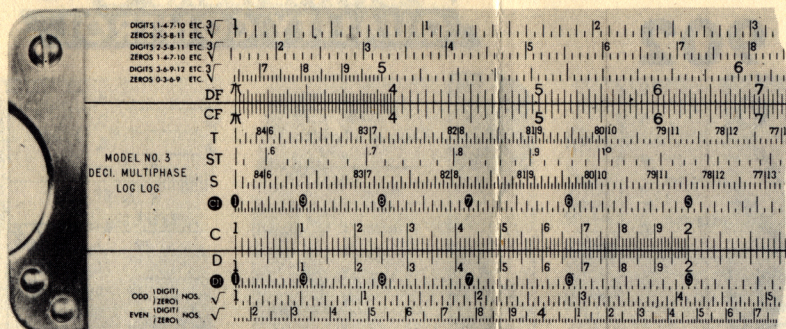
MANUFACTURING: Precision made to .001" Tolerance $\pm$.

DESIGN: Optical Tongue and Groove; Self-Centering Cursor Spacers; Telescopic Adjustment Screws.

OPERATION: Smooth, Jerk-Free, tends to "lap-in" and grow smoother with use.

INSTRUCTION: "HOW TO USE" Instruction Manual by Prof. M. L. Hartung, University of Chicago, FREE with most models.

14 WAYS IN WHICH DECI. SCALE ARRANGEMENTS INCREASE ACCURACY – SIMPLIFY FIGURING!



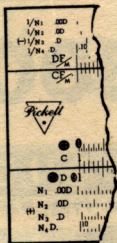
All DECI. models have standard C, D, CI scales on both sides, double-length square root and triple-length cube root scales for increased accuracy, sine (S), tangent (T), and sine and tangent (ST) scales. All scales refer to the C and D scales. Forty-inch log log scales for numbers greater than 1, forty-inch log log scales for numbers less than one (80 inches in all) in reciprocal relationship, simplify exponential computations. Special folded scales (CF/M and DF/M) make computations with base 10 or base e equally easy. (Legends aid in placing the decimal point and in using the scales.)

- 1 Three Deci.Log Log Scale arrangements are designed to meet Civil, Chemical, Mechanical, Electrical and Communications engineering slide rule requirements.
- 2 All scales refer to 10-inch or full-length C-D scales. Greater accuracy results. Saves turning rule over.
- 3 20-inch Square Root scale replaces A scale. Settings on Square Root scale are 4 times as accurate as settings on the A scale.

- 4 CD scales on both sides of rule. Saves turning rule over.
- 5 DF-CF scales on both sides of rule. Avoids going "off scale."
- 6 30-inch Cube Root scale replaces K scale. Settings on Cube Root scale are 9 times as accurate as settings on K scale.
- 7 L scale not needed. Deci.Log Log scale arrangements give both characteristic and mantissa automatically on D or DF/M scales. Not necessary to divide by .4343 or multiply by reciprocal 2.303 to change from base 10 to base e.
- 8 40-inch Log Log Decimal Fractional scale gives readings from .9977 to .99 – not on ordinary rules. Expanded scale arrangement gives a range from 1/10,000,000,000 to .9977.
- 9 40-inch Log Log scale for numbers greater than 1 gives readings from 1.0023 to 1.01 – readings not on ordinary rules. Expanded scale gives a range from 1.0023 to 10,000,000,000.

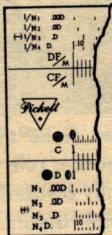
- 10 All Log Log scales on same side of rule and all refer to C-D scales. Rule easier to use. Saves turning rule over to read figures on other side, as on traditional scale arrangements.
- 11 Log Log scales for numbers greater than and less than 1 are "mated." Each setting of the hairline automatically gives:
 - 1) Any number up to 10,000,000,000.
 - 2) Its reciprocal number to 1/10,000,000,000.
 - 3) Logarithm to base 10 on D scales with both characteristic and mantissa.
 - 4) Cologarithm to base 10 on D scale with both characteristic and mantissa.
 - 5) Logarithm to base e on DF/M scale with characteristic and mantissa.
- 12 CI scales on both sides of rule. Simplifies figuring.
- 13 DI scale included. Many rules do not have this scale.
- 14 Legends simplify operation and decimal point location.

DECI.LOG LOG RULE



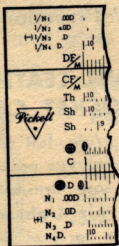
Many Civil Engineers prefer this model. It has a separate tangent scale for angles from 45° to 84.3° , and an inverted D scale (DI) and a standard, uniform L scale.

C and D scales folded at pi replace the L and T (for angles greater than 45°) on Model No. 2. Model No. 3 also provides an inverted D scale (DI) for computation with trigonometric functions. Many chemical and mechanical engineers favor this scale arrangement.



DECI.LOG LOG VECTOR HYPERBOLIC RULE

This model is similar to Model No. 3, but includes a scale for the hyperbolic tangent (Th) and hyperbolic sine (Sh), especially useful in problems on alternating current. This is the most complete and powerful rule available and is favored by Electrical and Communications Engineers.



With Manual, in felt case.....\$16.75

With Manual, in Imitation Leather Case.

Separately boxed\$17.50

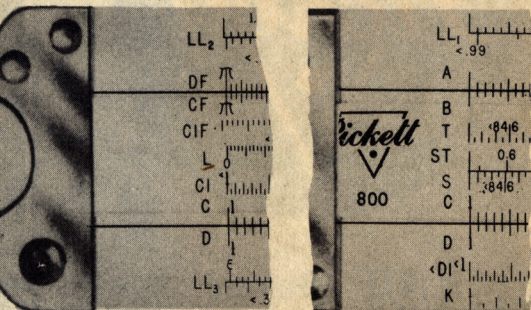
With Manual, in Genuine Leather Case.

Separately boxed\$19.85

For the Engineer

Pickett 800

LOG LOG TRIG



This rule is new, easier to use, faster, more accurate. The arrangement of standard scales offers the engineer: 1) All scales are full unit length and refer to the D scale, 2) C-D scales are on both sides of the rule, 3) Both CI and DI scales are on the rule, 4) "Mated" log log scales for numbers greater and less than unity are back to back giving both logarithm and its reciprocal at a glance, 5) All scales are decimally divided, and coordinate front and back. Instruction manual furnished.

Dimensions: $12\frac{1}{8}" \times 1\frac{1}{2}" \times \frac{1}{8}"$

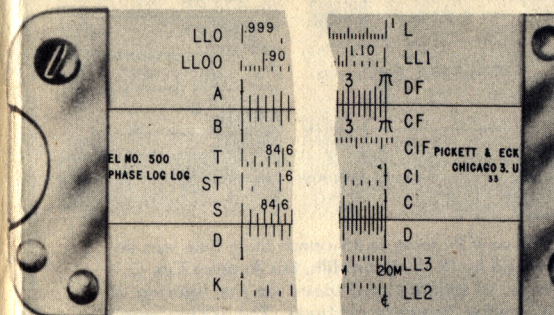
Weight of Rule: Approximately 4 ounces.

In Felt Carrying Case\$14.00
With Imitation Leather Case, separately boxed.....\$14.75
With Plastic Case, separately boxed.....\$15.75
With Genuine Leather Case, separately boxed.....\$16.85

For the Engineer

Pickett 500

ORTHO-PHASE LOG LOG



An accepted standard model used for many years. Evaluates algebraic, trigonometric and exponential expressions, but does not give the extended Log Log range or the decimal point locating features of the more modern DECI. Log Log Scales. All scales are decimally divided, and coordinated front and back. All-Metal Construction and materials exactly the same as our DECI. line of rules. Comes complete with Felt Carrying Case and Instruction Manual.

Dimensions: $12\frac{1}{8}" \times 1\frac{1}{2}" \times \frac{1}{8}"$

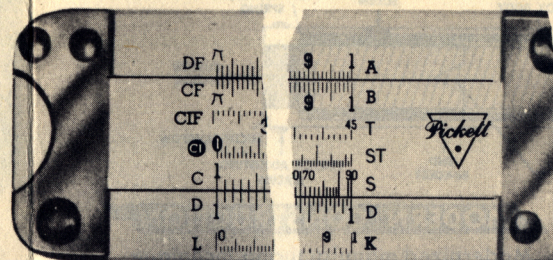
Weight of Rule: Approximately 4 ounces.

In Felt Carrying Case\$10.50
With Imitation Leather Case, separately boxed.....\$11.25
With Plastic Case, separately boxed.....\$12.25
With Genuine Leather Case, separately boxed.....\$13.85

For General Computation

Pickett 1000

ORTHO-PHASE DUPLEX



Traditional, standard 10-inch slide rule scales for algebraic and trigonometric operation. Precisely the same as Model No. 500 except Log Log scales are not included. All scales decimally divided and coordinated front and back. Exactly same construction and material as our finest engineering DECI line of rules. Rule comes complete with felt carrying case and Instruction Manual in slip-box.

Dimensions: $12\frac{1}{2}" \times 1\frac{1}{4}" \times \frac{1}{8}"$

Weight: 3 ounces.

In Felt Carrying Case\$6.50
With Imitation Leather Case, separately boxed.....\$7.25
With Plastic Case, separately boxed.....\$7.85
With Genuine Leather Case, separately boxed.....\$9.50

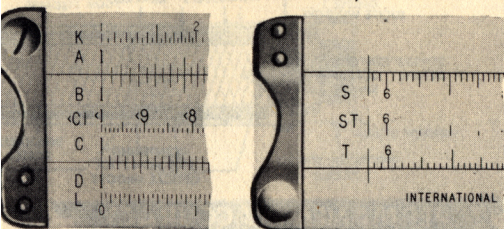
For the Industrial Executive



200

POCKET TRIG

(6-INCH DUPLEX TYPE)



A Duplex-Type 6-inch rule made with the same design, materials and precision manufacturing used on our large engineering rules. All scales are decimally divided and coordinate front and back. Cursor line on both sides eliminates reversing slider. Operation is smooth, easy. The ALL-METAL construction permits precision manufacturing and gives permanent dimensional stability.

FULL LEATHER POCKET CASE

Fine grain full leather, scabbard-type pocket carrying case furnished with each rule. Light and as easy to carry in the vest pocket as a small comb.



Dimensions: 1 3/32" x 6" x 3/32"
Weight of Rule: 2 ounces.

Complete in Leather Case, with Manual \$5.75

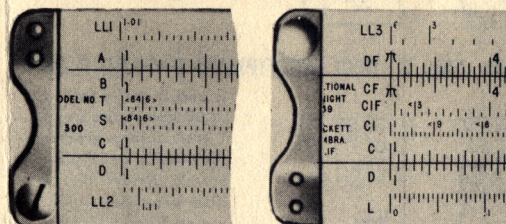
For the Engineering Executive



300

POCKET LOG LOG

(6-INCH DUPLEX TYPE)



16 scales (8 on each side) make this the most powerful, accurate pocket rule available. All scales are decimally divided, refer to the C-D scales, and coordinate front and back. Same construction as our highest-priced engineering rules. Easy to read, easy to operate, easy to adjust and assures permanent accuracy and freedom from warping.

FULL LEATHER POCKET CASE

Fine grain full leather, scabbard-type pocket carrying case furnished with each rule. Light and as easy to carry in the vest pocket as a small comb.



Dimensions: 1 3/32" x 6" x 3/32"
Weight of Rule: 2 ounces.

Complete in Leather Case with Manual \$6.75

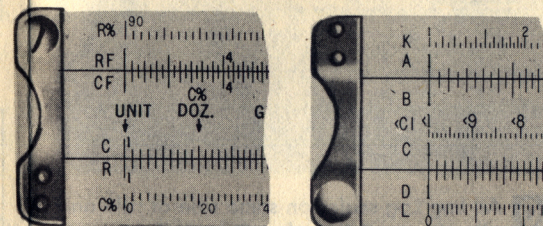
For the Business Executive



400

BUSINESS RULE

(6-INCH DUPLEX TYPE)



A simplified Business rule for the busy executive whose decisions must rest on an accurate check of costs, percentages, ratios, facts, and figures. Easy to learn, easy to read, simple to operate. Same construction and accuracy as in our engineering rules. Simple instructions furnished with every rule.



Fine Leather scabbard-type pocket carrying case furnished with each rule. Flat, thin, light and easily carried in vest, shirt or coat pocket.

Dimensions: 1 3/32" x 6" x 3/32"
Weight of Rule: 2 ounces.

Complete with leather case and Instruction Manual in slip-box \$6.25

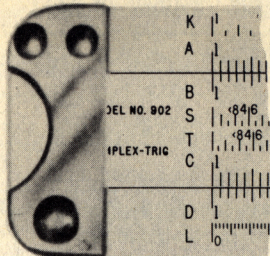
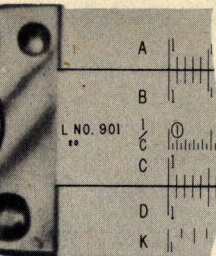
For Secondary Schools

Pickell

SIMPLEX

901

902



Each rule carries ALL of the scales on one side of the rule. Suitable for secondary schools, and for use on simpler mathematical problems. Same accuracy, workmanship, precision-graduated scales and ease of operation as our highest-priced engineering models.

Dimensions: $12\frac{1}{8}'' \times 1\frac{1}{4}'' \times \frac{1}{8}''$

Weight: 3 ounces.

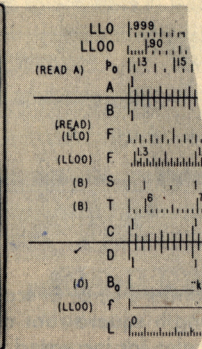
Each rule individually packed in open-end paper box. Manual not included.

Model No. 901\$3.50
Model No. 902 TRIG.....\$3.50
With Imitation Leather Case, separately boxed.....\$4.25
With Plastic Case, separately boxed.....\$5.00
With Genuine Leather Case, separately boxed.....\$6.85

For the Industrial Executive

Pickell

STATISTICAL & 6
QUALITY CONTROL

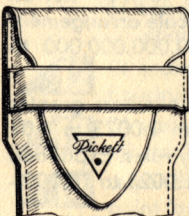


This new, advanced rule was developed by John Howell, in accordance with the basic principles of statistical and quality control adopted by the American Standards Ass'n, and the American Statistical Ass'n. It computes problems dealing with control limits of measurement charts, and estimating standard deviation of population from samples drawn from normal distribution.

Dimensions: $12\frac{1}{8}'' \times 2'' \times \frac{1}{8}''$. Weight 4 ounces.
In Felt Case, slip boxed with Manual.....\$16.75
With Imitation Leather Case, separately boxed.....\$17.50
With Genuine Leather Case, separately boxed.....\$19.85

CARRYING CASES

LEATHER



Fine grain, full leather, scabbard-type with Belt-loop and snap. Makes rule light, compact and easier to carry.

For Models 1, 2, 3, 4, 5, 6,
Separately boxed.....

\$3.75 ea.

For Models 500, 510, 901
902 and 1000.....\$3.50 ea.

PLASTIC

Scabbard-type plastic case with loop and snap. Immune to water, rot or mold.

For Models 500 and 510
.....\$1.75

For Models 901 and 902
.....\$1.55

For Model 1000.....\$1.55

IMITATION LEATHER

Scabbard-type. Imitation Leather body, Genuine Leather flap.

For Models 1, 2, 3, 4, 5, 6.....85c

For Models 500, 510, 800.....85c

For Model 1000.....75c

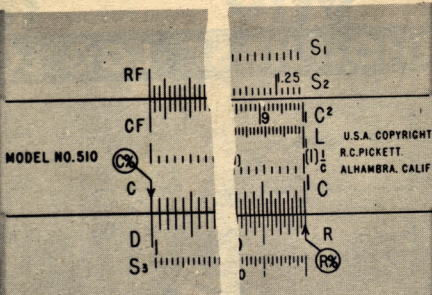
For Models 901, 902.....75c

For Commercial Figuring



510

BUSINESS & FINANCE



This new Business and Finance Slide Rule was designed by Dr. E. Justin Hills, Los Angeles City College, to simplify and speed up the figuring of everyday business problems. The scale design adapts the rule to specialized needs of Schools of Business Administration; Wholesale and Retail Stores; Payroll, Cost and Sales Departments; Insurance Companies, Banks, Accountants, and Finance Companies. Instruction Manual furnished.

Dimensions: 12 1/8" x 1 1/4" x 1/8". Weight 3 ounces.

- In Felt Carrying Case.....\$10.50
- With Imitation Leather Case, separately boxed....\$11.25
- With Plastic Case, separately boxed.....\$12.25
- With Genuine Leather Case, separately boxed.....\$13.85

PICKETT & ECKEL, INC.
Chicago 3, Illinois